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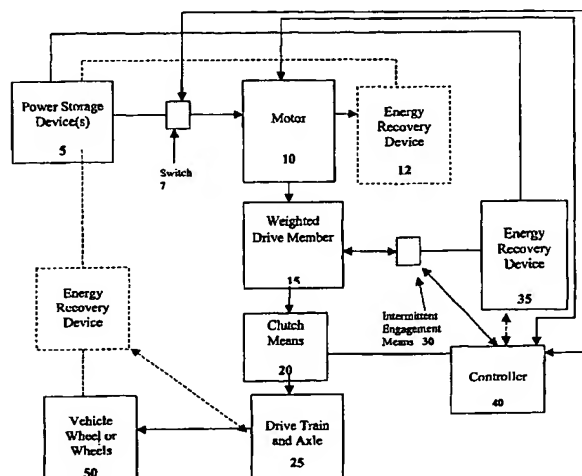
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(75) Inventor/Applicant (*for US only*): **LONG, Thomas** [US/US]; 925 Skylark Dr., Fort Pierce, FL 34982 (US).(74) Agent: **WEIERSTALL, Eric**; Tangent Law Group, Attn/ Eric J. Weierstall, 1201 Pennsylvania Ave., NW, Suite 300, Washington, DC 20002 (US).(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).**Declaration under Rule 4.17:**— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for all designations***Published:**— *without international search report and to be republished upon receipt of that report**For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*(54) Title: **VEHICLE DRIVE SYSTEM WITH ENERGY RECOVERY SYSTEM AND VEHICLE MOUNTING SAME**

(57) Abstract: A drive system with at least one power storage device and at least one motor intermittently energized and de-energized through coupling to the at least one power storage device. The drive having at least one weighted drive member coupled to the at least one motor. An at least one energy recovery device returns energy to the at least one power storage device when the motor is energized or when the motor is de-energized by intermittently engaging the at least one weighted drive member. The system also comprises a drive unit coupled to said at least one weighted drive member such that the motor drives the at least one weighted drive member which in turn drives the drive train wherein when the at least one weighted drive member is disengaged from the drive train. The motor can remain in an energized state or become de-energized and energy recovery through the at least one energy recovery device can continue to return energy to the power storage device so long as the weighted drive member is driven.

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